

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 1.28**WELDING INSPECTION REPORT****Resident Engineer:** Casey, William**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-028267**Date Inspected:** 26-Aug-2012**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Job Site**CWI Name:** See below.**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG**Summary of Items Observed:**

Quality Assurance Inspector (QA) Fritz Belford was at the American Bridge/Fluor (ABF) job site at Yerba Buena Island in California between the times noted above in order to monitor Quality Control functions and the in process work being performed by ABF personnel. The following items were observed:

OBG 12W (Interior)

This QA observed the following welders working in OBG 12W at various locations:

Authorized welder Mike Jimenez #4671:

Welder Mike Jimenez was observed performing weld repair on Ultrasonic Testing Shear Wave rejects (UTSW) on weld 12W 13W-A1.2. The "R2" reject noted by shear wave (UTSW) was at Y location 1710. After excavation of the reject it was then Magnetic Particle Tested (MT) by QC Patrick Swain and this QA. No indication was noted in the 60 x 25 x 10 Deep excavated area. The excavation was then weld repaired utilizing Caltrans approved Welding Procedure Specification's (WPS) ABF-WPS-D1.5-1004-Repair as per Request for Weld Repair (RWR) #201208-064.

This QA randomly observed QC Inspector Barry Drake checking WPS compliance of welder Mike Jimenez #4671 throughout the day.

Also noted this day was QC Inspector Patrick Swain performing Magnetic Particle Testing on indication noted above.

American Bridge & Flour Joint Venture personnel were noted grinding weld 12W PP111.1-B1 smooth in

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## WELDING INSPECTION REPORT

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preparation for inspection.

### Magnetic Particle Testing

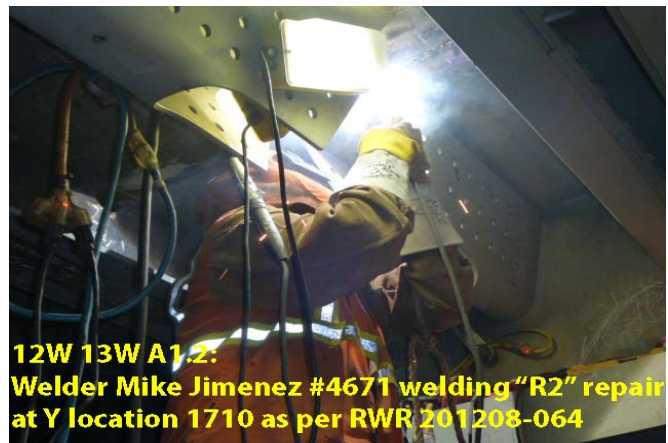
This QA performed Magnetic Particle Testing (MT) on the following welds:

12W 13W-A1.2:

- Repair "R2" at Y location 1710 (60 x 25 x 10 Deep, MT Accept.)

The above weld was previously accepted by QC Magnetic Particle technicians. This QA observed no rejectable indications at the time of testing. This QA Inspector generated a TL-6028 MT report on this date. The completed work observed at this location appeared to be in compliance with the contract specifications.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



### Summary of Conversations:

Conversations relevant to work performed on this date.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Nina Choy - (510) 385-5910, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Belford,Fritz	Quality Assurance Inspector
<b>Reviewed By:</b>	Levell,Bill	QA Reviewer

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